AMENDMENTS TO THE ABSTRACT:

Please replace the Abstract with the following amended Abstract:

On the back surface of a transparent plate having a light extracting part ~~14~~ for outputting lights to the outside, an electrode ~~16~~ for wiring, and an electrode ~~17~~ for an electromagnetic shield, an optical device ~~11~~ is flip-chip mounted right under the light extracting part ~~14~~, an a driver IC ~~12~~ is flip-chip mounted at a desired position with metal bumps ~~15~~. When currents driving the optical device ~~11~~ flow from the driver IC ~~12~~ according to an electric logical signal from the outside, an optical signal is emitted from the optical device ~~11~~, and is output to the outside through the light extracting part ~~14~~. The light extracting part ~~14~~ may be provided with a light coupling material or an optical axis converter.

ABSTRACT OF THE DISCLOSURE

On the back surface of a transparent plate having a light extracting part for outputting lights to the outside, an electrode for wiring, and an electrode for an electromagnetic shield, an optical device is flip-chip mounted right under the light extracting part, an a driver IC is flip-chip mounted at a desired position with metal bumps. When currents driving the optical device flow from the driver IC according to an electric logical signal from the outside, an optical signal is emitted from the optical device, and is output to the outside through the light extracting part. The light extracting part may be provided with a light coupling material or an optical axis converter.